

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/006849

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M4/88 H01M8/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2002/064593 A1 (DIEHL MANFRED ET AL) 30 May 2002 (2002-05-30)</p> <p>paragraph '0003! paragraph '0019! - paragraph '0032! paragraph '0055! paragraph '0062! - paragraph '0068! figure 3 claim 18</p> <p style="text-align: center;">----- -/--</p>	<p>1-4, 6-13, 15, 16, 18-20</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

24/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Götz, H

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP2004/006849

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001 160405 A (ASAHI GLASS CO LTD) 12 June 2001 (2001-06-12) paragraph '0001! paragraphs '0005! - '0008! paragraph '0010! paragraph '0013! paragraph '0014! paragraph '0019! paragraph '0020! paragraph '0024! paragraph '0025! paragraph '0027! paragraph '0029! - paragraph '0037! claims 1,4,5 -& PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) & JP 2001 160405 A (ASAHI GLASS CO LTD), 12 June 2001 (2001-06-12) abstract	1-4, 6-14, 16-20
A	WO 03/036748 A (DU PONT ; O'BRIEN WILLIAM GEORGE (US)) 1 May 2003 (2003-05-01) the whole document	1-20
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10, 30 November 1995 (1995-11-30) & JP 07 176317 A (SANYO ELECTRIC CO LTD), 14 July 1995 (1995-07-14) abstract	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/006849

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002064593	A1	30-05-2002	DE 10050467 A1 BR 0104520 A CA 2358636 A1 EP 1198021 A2 JP 2002184425 A	16-05-2002 21-05-2002 12-04-2002 17-04-2002 28-06-2002
JP 2001160405	A	12-06-2001	NONE	
WO 03036748	A	01-05-2003	CA 2462566 A1 EP 1438762 A2 TW 577185 B WO 03036748 A2 US 2004201122 A1	01-05-2003 21-07-2004 21-02-2004 01-05-2003 14-10-2004
JP 07176317	A	14-07-1995	NONE	